IN THE CLAIMS

1. (currently amended) An image coding apparatus, comprising:

inputting means for inputting a multiplexed stream ~~containing~~ that includes a video stream, at least another stream, and multimedia coding data for controlling display of the video stream and the at least another stream on a common display device;

separating means for separating ~~a~~ the video stream from ~~said~~ the inputted multiplexed stream;

converting means for performing a predetermined conversion process on ~~said~~ the separated video stream to form a converted video stream;

generating means for generating additional information ~~indicating~~ that controls said converting means's performing of the predetermined conversion process such that a mismatch between the converted video stream and the at least another stream is avoided ~~will occur~~ when ~~said~~ the converted video stream and the at least another stream are ~~is~~ displayed on the common display device, the additional information being based on the ~~basis of said~~ multimedia coding data; and

outputting means for outputting ~~said~~ the converted video stream, the at least another stream, ~~said~~ and the multimedia coding data~~, and said additional information~~.

2. (currently amended) The image coding apparatus according to claim 1, further comprising:

coding means for coding ~~said~~ the additional information generated by said generating means as data separate from ~~said~~ the multiplexed stream ~~containing said~~ having the converted video stream.

3. (currently amended) The image coding apparatus according to claim 1, further comprising:

coding means for multiplexing ~~said~~ the additional information generated by said generating means with ~~said~~ the multiplexed stream ~~containing said~~ having the converted video stream, and for then coding a multiplexed result.

4. (original) The image coding apparatus according to claim 1, wherein said converting means converts a video stream picture frame parameter.

5. (currently amended) The image coding apparatus according to claim 1, wherein said conversion process includes at least a process of decoding ~~said~~ the separated video stream and a process of encoding ~~said~~ the decoded video stream.

6. (currently amended) The image coding apparatus according to claim 1, wherein ~~said~~ the additional information includes ~~contains~~ at least one of original picture frame information and an original screen aspect ratio.

7. (currently amended) The image coding apparatus according to claim 1, wherein ~~said~~ the additional information generated by said generating means includes ~~contains~~ an original video format ~~and a video format after said conversion process~~.

8. (currently amended) The image coding apparatus according to claim 1, wherein ~~said~~ the additional information generated by said generating means includes ~~contains~~ an original screen aspect ratio ~~and a screen aspect ratio after said conversion process~~.

9. (currently amended) The image coding apparatus according to claim 1, wherein said additional information includes ~~contains~~ at least one of information indicating whether a picture frame of said video stream has been converted by said converting means, information about an original picture frame of said separated video stream, and an original screen aspect ratio.

10. (currently amended) A method for image coding in an image coding apparatus, said method comprising:

inputting a multiplexed stream ~~containing~~ that includes a video stream, at least another stream, and multimedia coding data for controlling display of the video stream and the at least another stream on a common display device;

separating ~~a~~ the video stream from ~~said~~ the inputted multiplexed stream;

performing a predetermined conversion process on ~~said~~ the separated video stream to form a converted video stream;

generating additional information ~~indicating~~ that controls said step of performing the predetermined conversion process such that a mismatch between the converted video stream and the at least another stream is avoided ~~will occur~~ when ~~said~~ the converted video stream and the at least another stream are ~~is~~ displayed on the common display device, the additional information being based on the ~~basis of said~~ multimedia coding data; and

outputting ~~said~~ the converted video stream, the at least another stream, ~~said~~ and the multimedia coding data~~, and said additional information~~.

11. (currently amended) The image coding method according to claim 10, further comprising:

coding ~~said~~ the additional information as data separate from ~~said~~ the multiplexed stream containing ~~said~~ the converted video stream.

12. (currently amended) The image coding method according to claim 10, further comprising:

multiplexing ~~said~~ the additional information with ~~said~~ the multiplexed stream containing ~~said~~ the converted video stream and then coding a multiplexed result.

13. (previously presented) The image coding method according to claim 10, wherein said conversion process includes

converting a video stream picture frame parameter.

14. (currently amended) The image coding method according to claim 10, wherein said conversion process includes at least a process of decoding ~~said~~ the separated video stream and a process of encoding ~~said~~ the decoded video stream.

15. (currently amended) The image coding method according to claim 10, wherein ~~said~~ the additional information ~~contains~~ includes at least one of original picture frame information and an original screen aspect ratio.

16. (currently amended) The image coding method according to claim 10, wherein ~~said~~ the additional information ~~contains~~ includes an original video format ~~and a video format after said conversion process~~.

17. (currently amended) The image coding method according to claim 10, wherein ~~said~~ the additional information ~~contains~~ includes an original screen aspect ratio ~~and a screen aspect ratio after said conversion process~~.

18. (currently amended) The image coding method according to claim 10, wherein ~~said~~ the additional information ~~contains~~ includes at least one of information indicating whether a picture frame of ~~said~~ the video stream has been converted with said conversion process, information about an original picture frame of ~~said~~ the separated video stream, and an original screen aspect ratio.

19. (currently amended) A computer-~~—~~readable medium having computer-executable instructions for performing a method for coding image data in an image coding apparatus, said method comprising:

inputting a multiplexed stream ~~containing~~ that includes a video stream, at least another stream, and multimedia coding data for controlling display of the video stream and the at least another stream on a common display device;

separating ~~a~~ the video stream from ~~said~~ the inputted multiplexed stream;

performing a predetermined conversion process on ~~said~~ the separated video stream to form a converted video stream;

generating additional information ~~indicating~~ that controls said step of performing the predetermined conversion process such that a mismatch between the converted video stream and the at least another stream is avoided ~~will occur~~ when ~~said~~ the converted video stream and the at least another stream are ~~is~~ displayed on the common display device, the additional information being based on the ~~basis of said~~ multimedia coding data; and

outputting ~~said~~ the converted video stream, the at least another stream, ~~said~~ and the multimedia coding data~~, and said additional information~~.

20. (currently amended) A computer-readable medium having stored thereon a data structure comprising:

a data recording area containing data representing a converted video stream ~~converted by a predetermined conversion process~~, at least another stream, and multimedia coding data for controlling display of the video stream and the at least another stream on a common display device, ~~and~~ the converted video stream being generated by performing a predetermined conversion process on an original video stream, the predetermined conversion process being controlled by additional information ~~representing~~ such that a display mismatch ~~derived from a relationship~~ between the ~~said~~ converted video stream and the at least another stream is avoided, ~~said~~ the additional information being based on the multimedia coding data.

21. (currently amended) The computer-readable medium according to claim 20, wherein said data recording area stores

the additional information which is coded and stored as data different from a multiplexed stream containing ~~said~~ the converted video stream.

22. (currently amended) The computer-readable medium according to claim 20, wherein said data recording area stores the additional information which is coded and stored as data multiplexed with a multiplexed stream containing ~~said~~ the converted video stream.

23. (currently amended) The computer-readable medium according to claim 20, wherein ~~said~~ the original video stream is converted in its picture frame parameter.

24. (currently amended) The computer-readable medium according to claim 20, wherein ~~said~~ the original video stream is decoded and then encoded.

25. (currently amended) The computer-readable medium according to claim 20, wherein ~~said~~ the additional information includes ~~contains~~ at least one of original picture frame information and an original screen aspect ratio.

26. (currently amended) The computer-readable medium according to claim 20, wherein ~~said~~ the additional information includes ~~contains~~ information about an original video format ~~and information about a video format after said conversion process~~.

27. (currently amended) The computer-readable medium according to claim 20, wherein ~~said~~ the additional information includes ~~contains~~ information about an original screen aspect ratio ~~and information about a screen aspect ratio after said conversion process~~.

28. (currently amended) The computer-readable medium according to claim 20, wherein ~~said~~ the additional information includes ~~contains~~ at least one of information indicating whether a picture frame of said video stream has been converted, information about an original picture frame of said video stream, and information about an original screen aspect ratio.

29-60. (cancelled)

61. (new) The image coding apparatus according to claim 6, wherein the original picture frame information includes a size of the picture frame.

62. (new) The image coding method according to claim 15, wherein the original picture frame information includes a size of the picture frame.

63. (new) The computer-readable medium according to claim 19, wherein said method further comprises:

coding the additional information as data separate from the multiplexed stream containing the converted video stream.

64. (new) The computer-readable medium according to claim 19, wherein said method further comprises:

multiplexing the additional information with the multiplexed stream containing the converted video stream and then coding a multiplexed result.

65. (new) The computer-readable medium according to claim 19, wherein said conversion process includes converting a video stream picture frame parameter.

66. (new) The computer-readable medium according to claim 19, wherein said conversion process includes at least a process of decoding the separated video stream and a process of encoding the decoded video stream.

67. (new) The computer-readable medium according to claim 19, wherein the additional information includes at least one of original picture frame information and an original screen aspect ratio.

68. (new) The computer-readable medium according to claim 67, wherein the original picture frame information includes a size of the picture frame.

69. (new) The computer-readable medium according to claim 19, wherein the additional information includes an original video format.

70. (new) The computer-readable medium according to claim 19, wherein the additional information includes an original screen aspect ratio.

71. (new) The computer-readable medium according to claim 19, wherein the additional information includes at least one of information indicating whether a picture frame of the video stream has been converted with said conversion process, information about an original picture frame of the separated video stream, and an original screen aspect ratio.

72. (new) The computer-readable medium according to claim 25, wherein the original picture frame information includes a size of the picture frame.